

Abstract

An apparatus and method for detecting physiological function, for example, nerve conduction, is described. In one embodiment the apparatus includes a housing including a stimulator shaped to fit a first anatomical site and a detector shaped to fit a second anatomical site. The housing automatically positions the detector substantially adjacent to the second anatomical site when the stimulator is positioned substantially adjacent to the first anatomical site. The detector contains a plurality of individual detection elements, whereby the response evoked by stimulation at the first anatomical site is measured using one or more of these detection elements at the second anatomical location.

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